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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935,873	08/23/2001	Thomas Lemmons	577172000700	9453

7590
Thomas Lemmons
7784 S. Swaps Trail
Evergreen, CO 80439

04/09/2007

EXAMINER

CHOWDHURY, SUMAIYA A

ART UNIT	PAPER NUMBER
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2623

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

09/935,873

Applicant(s)

LEMMONS, THOMAS

Examiner

Sumaiya A. Chowdhury

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-6 and 8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-6 and 8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 3/13/07 have been fully considered but they are not persuasive.

(a) Applicant argues "...the teaching in Aras et al. of content coding of audio visual material with unique AVIs and of collecting the AVIs does not teach or suggest receiving a signal from each receiver indicating the channel tuned and the previous channel tuned..." on page 5, 2nd paragraph of the Remarks filed 3/13/07.

Referring to col. 7, lines 15-30, Aras teaches subscriber activity including a **channel change** will be recorded and then reported to the collection center. Referring to col. 9, lines 1-16, Aras teaches the switching of channels is recorded. Referring to col. 13, line 58 - col. 14, lines 8, Aras teaches during extraction, the AVI information is processed at the home station. The collection process responds and processed events as they are generated. A channel change by the subscriber generates an event.

Furthermore, referring to col. 8, lines 52-65, Aras teaches if the AVM presented is a TV drama, the TV drama would have a unique AVI (i.e. FOX-MRP-0265 for **FOX television network** drama Melrose Place episode number 265). Thus, from the data it is easy to determine that the user viewed Melrose Place on the Fox Network. The network, in this example, FOX, indicated the channel tuned to. Referring to Table V, the user switch to Channel 6 is recorded. Referring to Table V1, the user switch to the

Disney channel is recorded. Clearly, Aras teaches receiving a signal indicating the channel tuned and the previous channel tuned.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, 4-6, and 8, are rejected under 35 U.S.C. 103(a) as being unpatentable over Rao in view of Aras.

As for claim 1, Rao discloses a method of managing television network bandwidth comprising:

broadcasting a plurality of programs on a plurality of channels to a plurality of receivers across said network; - col. 4, line 64 – col. 5, line 3, col. 14, lines 8-14

identifying each channel of said plurality of channels to which at least one receiver of said plurality of receivers connected to said network is tuned; - col. 14, lines 18-27, col. 15, lines 33-38

determining if at least one channel of said plurality of channels is not tuned by any one of said plurality of receivers; - col. 14, lines 18-27, col. 15, lines 33-38

if at least one channel of said plurality of channels is not tuned by any one of said plurality of receivers, halting transmission of a program on said at least one channel and

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broadcasting information other than a program on said at least one channel – col. 14, lines 21-35.

However, Rao fails to teach receiving a signal from each receiver of said plurality of receivers, said signal indicating the channel tuned and the previous channel tuned.

In an analogous art, Aras discloses that the receivers transmit the Behavior Collection Table which indicates the channels tuned to by the user (channel tuned and previous channel tuned) to the Behavior Collection Center – (Referring to col. 7, lines 15-30, Aras teaches subscriber activity including a **channel change** will be recorded and then reported to the collection center. Referring to col. 9, lines 1-16, Aras teaches the switching of channels is recorded. Referring to col. 13, line 58 - col. 14, lines 8, Aras teaches during extraction, the AVI information is processed at the home station. The collection process responds and processed events as they are generated. A channel change by the subscriber generates an event. Furthermore, referring to col. 8, lines 52-65, Aras teaches if the AVM presented is a TV drama, the TV drama would have a unique AVI (i.e. FOX-MRP-0265 for FOX television network drama Melrose Place episode number 265). Thus, from the data it is easy to determine that the user viewed Melrose Place on the Fox Network. The network, in this example, FOX, indicated the channel tuned to. Referring to Table V, the user switch to Channel 6 is recorded. Referring to Table V1, the user switch to the Disney channel is recorded. Clearly, Aras teaches receiving a signal indicating the channel tuned and the previous channel tuned.col. 12, lines 40-45, col. 13, lines 24-28).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify Rao's invention to include that the receivers transmit the Behavior Collection Table which indicates the channels tuned to by the user to the Behavior Collection Center, as taught by Aras, for the advantage of statistical analysis.

As for claims 2 and 6, Rao and Aras disclose wherein said step of identifying further comprises:

receiving a signal from each receiver of said plurality of receivers, said signal indicating the channel tuned. – Rao, col. 15, lines 33-38.

As for claims 4 and 8, Rao and Aras disclose wherein said step of identifying further comprises:

receiving a signal from each receiver of said plurality of receivers, said signal indicating the channel tuned if a user has selected a receiver function discontinuing reception of any channel (When the user changes the channel, the receiver informs the headend of the newly selected channel by requesting it – Rao. 13, lines 16-22).

As for claim 5, Rao discloses a method for managing network bandwidth comprising:

broadcasting a plurality of programs on a plurality of channels to a plurality of receivers across said network – col. 4, line 64 – col. 5, line 3, col. 14, lines 8-14.

defining a group of channels comprising a subset of said plurality of channels – col. 16, lines 18-23, col. 6, lines 5-14

identifying each channel of said group of channels to which at least one receiver of said plurality of receivers connected to said network is tuned - col. 14, lines 18-27, col. 15, lines 33-38.

determining if at least one channel of said group of channels is not tuned by any one of said plurality of receivers – col. 14, lines 18-27, col. 15, lines 33-38.

halting transmission of a program on said at least one channel and broadcasting information other than a program on said at least one channel if at least one channel of said group of channels is not tuned by any one of said plurality of receivers – col. 14, lines 21-35.

However, Rao fails to teach receiving a signal from each receiver of said plurality of receivers, said signal indicating the channel tuned and the previous channel tuned.

In an analogous art, Aras discloses that the receivers transmit the Behavior Collection Table which indicates the channels tuned to by the user (channel tuned and previous channel tuned) to the Behavior Collection Center – (Referring to col. 7, lines 15-30, Aras teaches subscriber activity including a **channel change** will be recorded and then reported to the collection center. Referring to col. 9, lines 1-16, Aras teaches the switching of channels is recorded. Referring to col. 13, line 58 - col. 14, lines 8, Aras teaches during extraction, the AVI information is processed at the home station.

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The collection process responds and processed events as they are generated. A channel change by the subscriber generates an event. Furthermore, referring to col. 8, lines 52-65, Aras teaches if the AVM presented is a TV drama, the TV drama would have a unique AVI (i.e. FOX-MRP-0265 for FOX television network drama Melrose Place episode number 265). Thus, from the data it is easy to determine that the user viewed Melrose Place on the Fox Network. The network, in this example, FOX, indicated the channel tuned to. Referring to Table V, the user switch to Channel 6 is recorded. Referring to Table V1, the user switch to the Disney channel is recorded. Clearly, Aras teaches receiving a signal indicating the channel tuned and the previous channel tuned.col. 12, lines 40-45, col. 13, lines 24-28).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify Rao's invention to include that the receivers transmit the Behavior Collection Table which indicates the channels tuned to by the user to the Behavior Collection Center, as taught by Aras, for the advantage of statistical analysis.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sumaiya A. Chowdhury whose telephone number is (571) 272-8567. The examiner can normally be reached on Mon-Fri, 9-5:00.

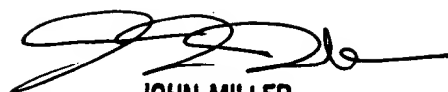
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SAC

A handwritten signature in black ink, appearing to read 'J. Miller', with a long horizontal stroke extending to the right.

JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600